| Index | of | Clair | ns |
|---|----|-------|----|
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | • | O | |



Application/Control No.

10/709,512

Date

Examiner

Reexamination

MANNARU ET AL.

Applicant(s)/Patent under

Art Unit

Kishin G. Belani

2109

√ Rejected
= Allowed

(Through numeral)
Cancelled

Claim

Restricted

N Non-Elected

I Interference

A Appeal
O Objected

| | | L | <u> </u> | | | | J | | Ц. | 1 |
|------------------------|--|---|----------|----------|--|----------|--------------------|--|----------------|----------|
| Cla | im | Date | | | | | | | | |
| Cle | | | | | | | | | \vdash | |
| _ | Original | 6 | | | | | | | ľ | |
| Final | iĝi | 1/25/07 | | | | | | | | |
| ч | ō | 12 | | | | | | | | |
| | | | | _ | <u> </u> | <u> </u> | _ | _ | \vdash | Н |
| ļ | 1 2 3 4 5 | ١٧ | <u> </u> | <u> </u> | <u> </u> | ┞ | _ | <u> </u> | <u> </u> | \sqcup |
| | 2 | ١V | <u> </u> | | ļ | _ | | | | |
| | 3 | I, | <u> </u> | ļ | _ | • | _ | | L | \sqcup |
| | 4 | V | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ | | <u> </u> | Ш |
| | 5 | V | L_ | | L_ | L_ | _ | | _ | |
| | 6 7 8 9 | 1 | | | | | _ | | L | |
| | 7 | 1 | _ | | L | | | | L | Ш |
| | 8 | 1 | | | | | L | | | Ш |
| | | 1 | | | | | | | | Ш |
| | 10 | 1 | | | | | | | | |
| | 11 | ٧ | | | | | | | | |
| | 12 | 1 | | | | | | | | |
| | 13 | 1 | | | | | | | | П |
| | 14 | 1 | | | | | | | | П |
| | 15 | 1 | _ | | | П | | | | \Box |
| | 10 11 12 13 14 15 16 17 | V | | | Г | | | | | \vdash |
| $\overline{}$ | 17 | V | | <u> </u> | _ | _ | _ | | | Н |
| | 18 | J | | \vdash | - | ┰ | | | | Н |
| _ | 18 19 | J | | \vdash | | | - | \vdash | | H |
| | 20 | ij | | \vdash | \vdash | | | \vdash | | ├─┤ |
| - | 21 | 1 | | - | ┢ | \vdash | \vdash | ┝ | - | ┝─┤ |
| - | 22 | 1 | - | \vdash | | \vdash | | | - | ├─┤ |
| | 21 22 23 | 1 | - | ┝ | ├─ | - | - | ┝ | \vdash | Н |
| | 24 | 1 al | - | | ├ | \vdash | \vdash | ⊢ | \vdash | Н |
| \vdash | 24 25 26 27 | V | <u> </u> | | ⊢ | ├ | | - | ⊢ | \vdash |
| | 25 | Ÿ | - | | - | _ | <u> </u> | <u> </u> | _ | |
| | 26 | Ÿ | | L | _ | _ | _ | <u> </u> | | |
| \vdash | 27 | Ÿ | _ | _ | _ | _ | <u> </u> | | _ | - |
| | 28 29 30 | Į, | | | <u> </u> | _ | <u> </u> | _ | _ | Ш |
| | 29 | ٧ | | _ | | ļ | | | _ | |
| | 30 | 1 | | | _ | _ | <u> </u> | | <u> </u> | Ш |
| | 31 | 1 | | L | | | | _ | <u> </u> | |
| | 32 33 | 1 | | _ | L | _ | _ | | <u> </u> | Ш |
| | 33 | 1 | · | L | | <u> </u> | | | ļ | Ш |
| اـــــــا | 34 35 | 1 | | L | _ | _ | _ | <u> </u> | | Ш |
| | 35 | 777777777777777777777777777777777777777 | | | | | <u> </u> | <u> </u> | L_ | Ш |
| | 36 | 1 | | | | | | | | Ш |
| | 37 | V | | | <u> </u> | L | | <u> </u> | <u></u> | Ш |
| | 38 | 1 | | | L | L | $oxedsymbol{oxed}$ | | | Ш |
| | 39 | | | L | L | | | | | Ш |
| | 40 | 7 | | | | | Ĺ | | Ĺ | Ш |
| | 41 | | | | L | | | | | |
| | 42 | ✓ | | | | | | | | |
| | 43 | 1 | | | | | | | | П |
| | 44 | 1 | | | | \Box | | | | П |
| \vdash | 45 | | | | | Г | | | | Н |
| | 46 | П | | | | \vdash | | | | Н |
| | 47 | H | | _ | \vdash | | Н | \vdash | \vdash | Н |
| $\vdash \vdash \vdash$ | 48 | Н | | \vdash | | - | \vdash | <u> </u> | \vdash | H |
| \vdash | 49 | Н | | | - | - | \vdash | \vdash | - | \dashv |
| \vdash | 50 | Н | | - | | \vdash | - | | - | \vdash |
| نــــا | υU | | | | | | | | | لـــا |

| Claim | | Date | | | | | | | | |
|-----------|----------|----------|--|----------|--|--------------------------------|----------|--------------|----------|---|
| Final | Original | | | | | | | | | |
| | 51 | | ļ | | _ | | | _ | _ | |
| | 51 52 | - | | ┢ | \vdash | | ┢ | H | | |
| - | 53 | ⊢ | | ├ | \vdash | | ⊢ | ⊢ | ┢ | \vdash |
| \vdash | 53 | | <u> </u> | ├ | _ | | - | <u> </u> | ⊢ | _ |
| <u> </u> | 54 55 | - | _ | <u> </u> | <u> </u> | - | <u> </u> | _ | <u> </u> | |
| <u></u> | 55 | | | _ | _ | <u> </u> | _ | L | <u> </u> | <u> </u> |
| | 56 | | L | <u> </u> | _ | | L | <u> </u> | | |
| L | 57 | | | | | | L_ | | | |
| | 58 | | | | | | | | | |
| | 59 | | | | | | | | | |
| | 60 | | | | _ | | - | | | |
| | 61 | | | | | | _ | | \vdash | |
| | 62 | | \vdash | | | \vdash | | | \vdash | |
| | 63 | \vdash | \vdash | - | - | \vdash | \vdash | - | - | \vdash |
| - | 03 | - | _ | - | <u> </u> | - | ļ | | <u> </u> | - |
| | 64 | _ | <u> </u> | | | _ | | | | |
| | 65 | | ŀ | <u> </u> | | L_ | | | | L |
| | 66 | <u> </u> | <u></u> | L_ | L_ | _ | L. | | | |
| | 67 | | | | | | | | | |
| | 68 | | | | | | | | | |
| | 69 | | | | | | | | | |
| | 70 | | | | | | | | | |
| | 71 | | | | | | | | | |
| | 72 | | | | | | | | | |
| | 73 | \vdash | | | \vdash | | \vdash | \vdash | | |
| | 73 74 | \vdash | _ | - | \vdash | - | \vdash | \vdash | | |
| - | 75 | - | - | | | | - | | ┢┈ | |
| | 76 | | | | \vdash | \vdash | \vdash | \vdash | <u> </u> | - |
| | 76 77 | | | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | |
| | 78 | | \vdash | \vdash | | \vdash | - | ┝ | \vdash | \vdash |
| - | 79 | | | | - | | \vdash | ┢┈ | - | H |
| | 80 | <u> </u> | | | H | ┝ | \vdash | \vdash | ├ | Н |
| - | 00 | - | ٠. | <u> </u> | H | ⊢ | \vdash | ⊢ | ├- | |
| | 81 82 | | | | | ├ | H | | | \vdash |
| | 82 | | <u> </u> | | <u> </u> | L | | _ | _ | Ш |
| | 83 | | | | | | <u> </u> | | _ | Щ |
| \square | 84 | | | | <u> </u> | _ | <u> </u> | _ | | \vdash |
| | 85_ | | L | | L | _ | L | | L_ | $ldsymbol{ld}}}}}}}}}$ |
| | 86 | _ | <u> </u> | | | _ | 匚 | | | |
| | 87 | | | L | L | | | | | |
| | 88 | | Ĺ | | | $oxedsymbol{oxedsymbol{oxed}}$ | | | | |
| | 89 | | Ĺ | | L | | | | | |
| | 90 | | l – | | | | | | | |
| | 91 | | | | | | | | | |
| | 92 | | | | | | | | | |
| | 93 | | | | | | | | | |
| | 94 | | | | | | | | | |
| | 95 | | | | | | | | | |
| | 96 | | | | | | | | | |
| | 97 | | | | | | | | | П |
| | 98 | | | | | | | | | |
| | 99 | | | | | | | | | |
| | 100 | | | | | | | | | П |
| | | | | | | | | | | |

| E | Claim | | Date | | | | | | | | |
|---|-------|------|------|---|-------------------------------------|---|----------|----------|----------|----------|-----------------|
| 101 | | | | | | | | | | | |
| 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 149 140 141 142 143 144 145 146 147 148 149 149 149 149 149 144 145 146 147 148 149 | _ | 0 | | | | | | | | ŀ | |
| 103 | | 101 | | | | | | | | | |
| 104 | | 102 | | _ | | _ | <u> </u> | L_ | _ | _ | Ш |
| 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 103 | | | _ | _ | | <u> </u> | | L_ | Ш |
| 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 104 | | _ | | _ | _ | - | _ | | Н |
| 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | · · · | 105 | | _ | \vdash | - | \vdash | ⊢ | ┝ | - | Н |
| 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 107 | _ | ⊨ | \vdash | - | - | - | ├ | | |
| 109 | | 108 | | - | - | | \vdash | ┢ | \vdash | | Н |
| 110 | | 109 | | | | | | _ | _ | | |
| 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 149 149 | | 110 | | | | | | | | | |
| 114 | | 111 | | | | | | | | | |
| 114 | | 112 | | | | | | | | | |
| 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 113 | | | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | | | L | <u> </u> | | Ш |
| 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 1.14 | | _ | <u> </u> | _ | <u> </u> | <u> </u> | \vdash | \vdash | Ш |
| 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 115 | | _ | | _ | _ | \vdash | L | \vdash | Ш |
| 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 116 | | | | | _ | | _ | - | |
| 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 112 | | _ | | | ┢ | - | \vdash | - | \vdash |
| 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 110 | | | - | | - | - | - | - | |
| 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 120 | _ | _ | | | H | | | H | |
| 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 121 | | | | | | | | | |
| 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 122 | | | | | | | | | |
| 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149 | | 123 | | | | | | | | | |
| 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 124 | | | | | | | | | |
| 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 125 | | _ | | | | | | | |
| 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 126 | | | <u> </u> | | <u> </u> | | L. | | |
| 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 127 | | | - | | | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 120 | | | | _ | ├─ | <u> </u> | <u> </u> | - | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 130 | | | - | | - | | ┝ | | |
| 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 131 | _ | - | \vdash | | ┢┈ | | \vdash | | |
| 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 132 | | | \vdash | | \vdash | | ┢═ | | |
| 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 133 | | | | | | | | | |
| 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 134 | | | | | | | | | |
| 137 138 139 140 141 142 143 144 145 146 147 148 | | 135 | | | | | | | | | |
| 138 | | | | | | | | | | | Щ |
| 139 140 141 142 143 144 145 146 147 148 | | 137 | | | | | | | | | |
| 140 | | 138 | | | _ | | _ | | | _ | $\vdash \vdash$ |
| 141 | | 140 | _ | | H | - | | | | \vdash | \square |
| 142 143 144 145 146 147 148 | | 141 | | - | \vdash | _ | - | | - | \vdash | $\vdash \vdash$ |
| 143 | | | | _ | | - | \vdash | H | _ | — | $\vdash \vdash$ |
| 144 | | 143 | | | \vdash | - | | H | | Н | \dashv |
| 145 146 147 148 149 149 149 149 145 145 145 145 145 145 145 145 145 145 | | | | | H | | - | | | | \exists |
| 147 148 149 | | 145 | | | | | | | | | |
| 148 | | 146 | | | | | | | | | |
| 149 | | | | | | | | | | | |
| | | | | | Ц | | | | | Ш | \Box |
| 150 | | | | | Щ | _ | igsqcup | | | Ш | \square |
| | | 150 | | | | | | لـــا | ليا | Ш | Ш |